

ABSTRACT OF THE DISCLOSURE

The invention relates to a high-speed centrifugal ventilation device for assisting a patient respiratory function. The inventive device comprises a centrifugal fan which is arranged in a casing box (3) and essentially consists of a wheel (2) actuated by a driver (1). Said wheel is provided with a volute (4) connected to the casing box (3) in such a way that an integral fixed assembly is formed, wherein elastic means (7, 8) are interposed between said fixed assembly (3, 4) and the driver (1) provided with the wheel (2) which is driven thereby, thereby forming a dynamic assembly (1, 2) for avoiding transmission of vibrations generated by the wheel and the driver (1, 2) towards the fixed assembly (3, 4).